CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Byatarayanapura Sub Division,
BBMP Bangalore.

04th April 2014

Dear Sir,

Sub: Testing Wet Mix Macadam.

As requested, tests on physical properties were carried out for the Wet Mix Macadam samples supplied by you, for the work of **'Improvements to Roads and Drain in Ward No.05 Jakkur, at Babanagara Byatarayanapura Sub Division. (Change of place Basalingappa Nagara)'.**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Deputy Quality Manager

AE-I

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

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TEST ON WMM MIX

Name of the Client	AEE, Byatarayanapura Sub Division, BBMP
Project	Improvements to Roads and Drain in Ward No.05 Jakkur, at Babanagara Byatarayanapura Sub Division. (Change of place Basalingappa Nagara)
Agency	Sri. Vinay Kumar
Date of Testing	03/04/2014
Reference	**MORTH Table 400-11**

IS Sieve Designation (mm)	% By Weight Passing IS Sieve	Actual % By Weight Passing IS Sieve	Remarks
53	100	100	**Satisfies Requirements**
45	95-100	98.9	
22.4	60-80	74.1	
11.2	40-60	57.2	
4.75	25-40	33.8	
2.36	15-30	24.4	
0.6	8-22	17.9	
0.075	0-8	6.3	

Note:

1.The results relate only to the items tested.

2.Report shall not be reproduced except in full, without the written approval of the lab.

3.Any correction invalidates this report.

4.The results are based on the test conducted on samples supplied by the client.

CIVIL TECH LABS
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Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

AE-5

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

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T-2654

To,

Assistant Executive Engineer
Byatarayanapura Sub Division,
BBMP Bangalore.

16th April 2014

Dear Sir,

Sub: Testing Semi Dense Bituminous Concrete.

As requested, tests on physical properties were carried out for the Semi Dense Bituminous Concrete samples supplied by you, for the work of **'Improvements to Roads and Drain in Ward No.05 Jakkur, at Babanagara Byatarayanapura Sub Division. (Change of place Basalingappa Nagara)'.**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Deputy Quality Manager

AE-5

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

AE-05

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TEST ON SDBC MIX GRADE - 2

Name of the Client	AEE, Byatarayanapura Sub Division, BBMP
Project	Improvements to Roads and Drain in Ward No.05 Jakkur, at Babanagara Byatarayanapura Sub Division. (Change of place Basalingappa Nagara)
Agency	Sri. Vinay Kumar
Date of Testing	15/04/2014
Reference	**MORTH Table 500-15. SDBC Grade-2**

	Sample-1		
IS Sieve Designation (mm)	**% By Weight Passing IS Sieve**	**Actual % By Weight Passing IS Sieve**	**Remarks**
13.2	100	100	**Satisfies Requirements**
9.5	90-100	99.1	
4.75	35-51	46.2	
2.36	24-39	31.8	
1.18	15-30	22.9	
0.3	9-19	15.1	
0.075	3-8	6.8	

Note:

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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

CIVIL TECH LABS

TEST ON SDBC MIX GRADE - 2

Name of the Client	AEE, Byatarayanapura Sub Division, BBMP
Project	Improvements to Roads and Drain in Ward No.05 Jakkur, at Babanagara Byatarayanapura Sub Division. (Change of place Basalingappa Nagara)
Agency	Sri. Vinay Kumar
Date of Testing	15/04/2014
Reference	**MORTH Table 500-15. SDBC Grade-2**

	Sample-2		
IS Sieve Designation (mm)	**% By Weight Passing IS Sieve**	**Actual % By Weight Passing IS Sieve**	**Remarks**
13.2	100	100	**Satisfies Requirements**
9.5	90-100	98.6	
4.75	35-51	45.9	
2.36	24-39	32.4	
1.18	15-30	21.8	
0.3	9-19	16.8	
0.075	3-8	6.1	

Note:

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Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

CIVIL TECH LABS

Bitumen Content Determination on SDBC Mix-Grade 2

Name of the Client	AEE, Byatarayanapura Sub Division, BBMP
Name of the Work	Improvements to Roads and Drain in Ward No.05 Jakkur, at Babanagara Byatarayanapura Sub Division. (Change of place Basalingappa Nagara)
Agency Name	Sri. Vinay Kumar
Date of Testing	15/04/2014

Specification : As Per MORTH (4th Revision) Table 500-15
Minimum Bitumen Content SDBC/Grade-2 is 5 %

Sl.no	Description	Sample-1	Sample-2
1	Weight of mixture before test, g	1000	1000
2	Weight of mixture after test, g	944	942
3	Weight of bitumen extracted, g	56	58
4	Bitumen content in %	5.60	5.80
5	Average Bitumen content in %	5.70	
Remarks	**Satisfactory**		

Note:

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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Byatarayanapura Sub Division,
B.B.M.P. Bangalore